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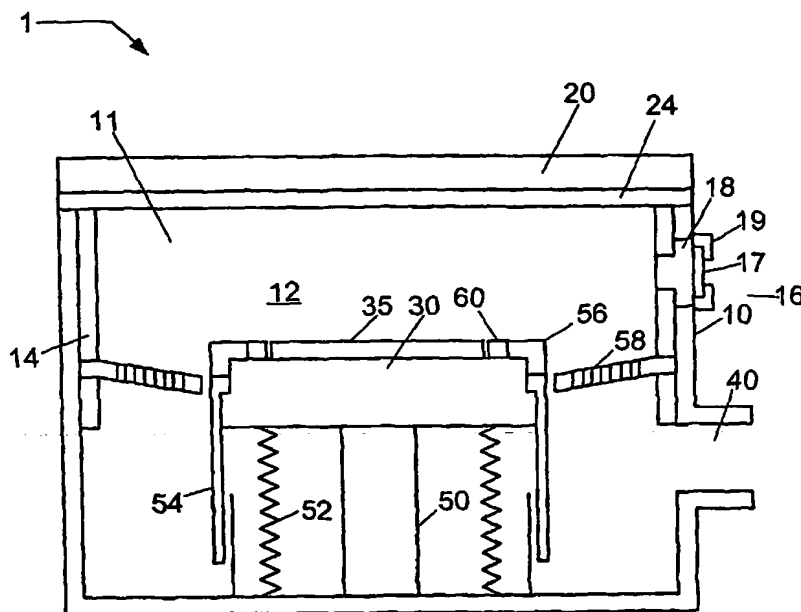
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(54) Title: METHOD AND APPARATUS FOR REDUCING SUBSTRATE BACKSIDE DEPOSITION DURING PROCESSING



(57) Abstract: A focus ring (60) configured to be coupled to a substrate holder (10) comprises a focus ring (60) and a secondary focus ring (56) coupled to the focus ring (60), wherein the secondary focus ring (56) is configured to reduce the deposition of process residue on a backside surface of the substrate (35).

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER												
IPC(7) : C23C 16/00; C23F 1/00; H01L 21/306; B44C 1/22; C03C 15/00; C23F 1/00												
US CL : 118/728; 156/345.51, 345.1; 216/58												
According to International Patent Classification (IPC) or to both national classification and IPC												
B. FIELDS SEARCHED												
Minimum documentation searched (classification system followed by classification symbols) U.S. : 118/728; 156/345.51, 345.1; 216/58												
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched US 10/326,773; 10/283,304; 10/140,324; 10/102,689; 10/282,304; 09/608,947; 09/827,297												
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Examiner Assisted Search Tool (EAST)												
C. DOCUMENTS CONSIDERED TO BE RELEVANT												
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.										
X	X US 6,284,093 B1 (KE et al.) 04 September 2001 (04.09.2001); column 4, line 42 -	1, 2, 4-12, 14-20										
---	column 5, line 25	-----										
Y		3, 13										
Y	US 5,556,500 A (HASEGAWA et al.) 17 September 1996, column 4; lines 56-67	3, 13										
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.												
* Special categories of cited documents: <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed	
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